

HYBRID FIBER OPTIC AND POWER CONNECTOR

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ABSTRACT OF THE DISCLOSURE

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A hybrid electro-optic connector (14) has an insert (28), a rear seal body (60) and a centrally disposed support member (62) which extends between the insert (28) and the rear seal body (60). The insert (28) has a rearwardly open recess (84) which is configured for receiving the support member (62). The support member (62) is formed of non-conductive plastic, and has a forward end defining a shank (76) and a retainer ring (78). The retainer ring (78) and the recess (84) in the insert (28) have mating profiles (196, 198, 212) which are configured for aligning to receive and retain optical termini (18), alignment sleeves (56) and electrical contacts (22) in fixed positions within the insert (28). The insert (28) is formed of conductive plastic, and a forward housing (29) of the connector (14) is formed of a non-conductive plastic, which is over molded to the insert (28).